



## Technical Data

### Semiperm™ Monofilm release agent

Universally applicable liquid external release agent, solvent-based.

#### Description

Semiperm™ Monofilm release agent is a universally applicable liquid external release agent, solvent-based and with short drying times. The use of this product eliminates the need for a repeated time-consuming waxing and polishing, as a single application allows, after some starting time that demands frequent treatment of the mould, several demouldings. Semiperm™ Monofilm release agent forms a **monomolecular film** that **adheres to the mould** and **does not show any affinity to the moulded parts**. This film is not peeled off during the moulding procedure and provides with its powerful release properties important improvements for the plastic industry. Semiperm™ Monofilm release agent is **silicone-free**.

#### Application

Semiperm™ Monofilm release agent can be used as a universal release agent at the processing of thermo sets, polyester (cold and hot moulding), epoxy resins and phenol resins. In particular when the processing takes place at elevated temperatures, flawless results are obtained. As Semiperm™ Monofilm release agent forms a complete film, it can also be used as a corrosion inhibitor for steel moulds or as a protective coating against influence of the weather. When working at higher temperatures it even provides excellent slip properties.

#### Processing

Prior to the first application of Semiperm™ Monofilm release agent, the moulds have to be cleaned thoroughly from residues of dirt and former release agent. The next step is to apply Semiperm™ Monofilm release agent as an even, thin film and allow it to dry. The application can be done either by spraying or using a brush, cloth or sponge. Before starting the production, ensure that the film is absolutely dry. Semiperm™ Monofilm release agent shaken prior to use.

Properties	Unit	Semiperm™ Monofilm release agent
Composition		combination of waxes in a solvent mixture
Appearance		whitish liquid
Density	g/cm <sup>3</sup>	approx. 0.78
Flashpoint	°C	< 0

#### Storage

Semiperm™ Monofilm release agent should be stored in tightly sealed containers and has to be protected from frost, heat and direct sunlight.